

CLAIMS:

1. A silver halide light sensitive motion picture photographic print element comprising a support bearing on one side thereof: a blue color sensitive, yellow dye image-forming record comprising at least one blue-sensitive silver halide emulsion having associated therewith yellow dye-forming coupler; a red color sensitive, cyan dye image-forming record comprising at least one red-sensitive silver halide emulsion having associated therewith cyan dye-forming coupler; and a green color sensitive, magenta dye image-forming record comprising at least one green-sensitive silver halide emulsion having associated therewith magenta dye-forming coupler; wherein each of the silver halide emulsions have an average grain size of less than 1 micrometer and comprise at least 50 mol percent chloride, based on silver, the silver halide emulsions in total comprise from 500-1350 mg/m² silver, the cyan, magenta and yellow dye-forming couplers are present at levels sufficient to provide Visual densities of at least 3.3 when completely consumed, the silver to dye-forming coupler stoichiometric equivalent molar ratio in each of the image-forming records is less than 1.4, and the silver to dye-forming coupler stoichiometric equivalent molar ratio in at least one of the image-forming records is less than 1.0.

2. A print element according to claim 1, wherein the cyan, magenta and yellow dye- forming couplers are present at levels sufficient to provide Visual densities of at least 3.6 when completely consumed.

3. A print element according to claim 1, wherein the cyan, magenta and yellow dye- forming couplers are present at levels sufficient to provide Visual densities of at least 3.8 when completely consumed.

4. A print element according to claim 1, wherein silver halide emulsions of the dye image-forming records comprise a total level of from 500-1250 mg/m² silver.

5. A print element according to claim 1, wherein silver halide emulsions of the dye image-forming records comprise a total level of from 800-1250 mg/m² silver.

6. A print element according to claim 1, wherein silver halide emulsions of the dye image-forming records comprise a total level of from 800-1150 mg/m² silver.

7. A print element according to claim 1, wherein silver halide emulsions of the dye image-forming records comprise a total level of from 900-1150 mg/m² silver.

8. A print element according to claim 1, wherein the silver to dye-forming coupler stoichiometric equivalent molar ratio in each of the image-forming records is less than 1.3, and the silver to dye-forming coupler stoichiometric equivalent molar ratio in at least two of the image-forming records is less than 1.0.

9. A print element according to claim 1, wherein the silver to dye-forming coupler stoichiometric equivalent molar ratio in each of the image-forming records is less than 1.2, and the silver to dye-forming coupler stoichiometric equivalent molar ratio in at least two of the image-forming records is less than 0.9.

10. A print element according to claim 1, wherein the silver to dye-forming coupler stoichiometric equivalent molar ratio in each of the image-forming records is less than 1.2, and the silver to dye-forming coupler stoichiometric equivalent molar ratio in at least one of the image-forming records is less than 0.8.

11. A print element according to claim 1, wherein the silver to dye-forming coupler stoichiometric equivalent molar ratio in each of the image-forming records is less than 1.0.

12. A print element according to claim 1, wherein each of the red-sensitive and green-sensitive silver halide emulsions comprise emulsion grains having an

average equivalent circular diameter of less than 0.60 micron, and the blue-sensitive silver halide emulsion comprises emulsion grains having an average equivalent circular diameter of less than 1.0 micron.

13. A print element according to claim 1, wherein each of the red-sensitive and green-sensitive silver halide emulsions comprise emulsion grains having an average equivalent circular diameter of less than 0.40 micron, and the blue-sensitive silver halide emulsion comprises emulsion grains having an average equivalent circular diameter of less than 0.80 micron.

14. A method for recording and processing image area frames and an optical soundtrack in a color motion picture print film according to claim 1, said method comprising: imagewise exposing the color sensitive records in accordance with desired image area frames, exposing at least one of the color sensitive records in accordance with an analog soundtrack, and processing the exposed film in a development amplification process to yield corresponding dye images in the exposed image area frames and analog soundtrack; wherein said film is processed to yield a dye-only, silverless analog soundtrack, the soundtrack region of the film not being subjected to any specialized processing treatment relative to the image area frame region.

15. The method of claim 14, wherein the soundtrack is recorded and developed in a single color record of the print film.

16. The method of claim 15, further comprising reading the developed dye only soundtrack using a narrow band light source the wavelength of which coincides with the peak absorbance wavelength of the soundtrack dye.

17. The method of claim 15, wherein said soundtrack is exposed in said single color record with a light source corresponding to the peak sensitivity of the color record.

18. The method of claim 17, wherein said single color record is the red-light sensitive color record and the exposing light source is a red light emitting diode laser.

19. The method of claim 1, wherein the film processing comprises an initial development step and a subsequent development amplification step.